

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2013-0711	WILL	19	1
		ILLINOIS	CONTRACT NO. 60X48	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

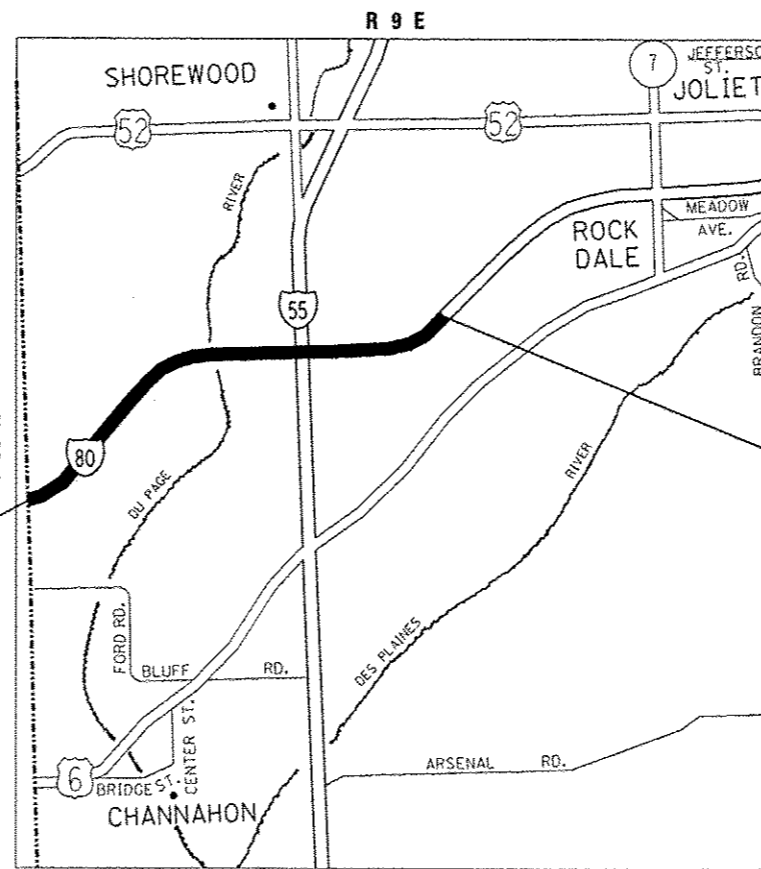
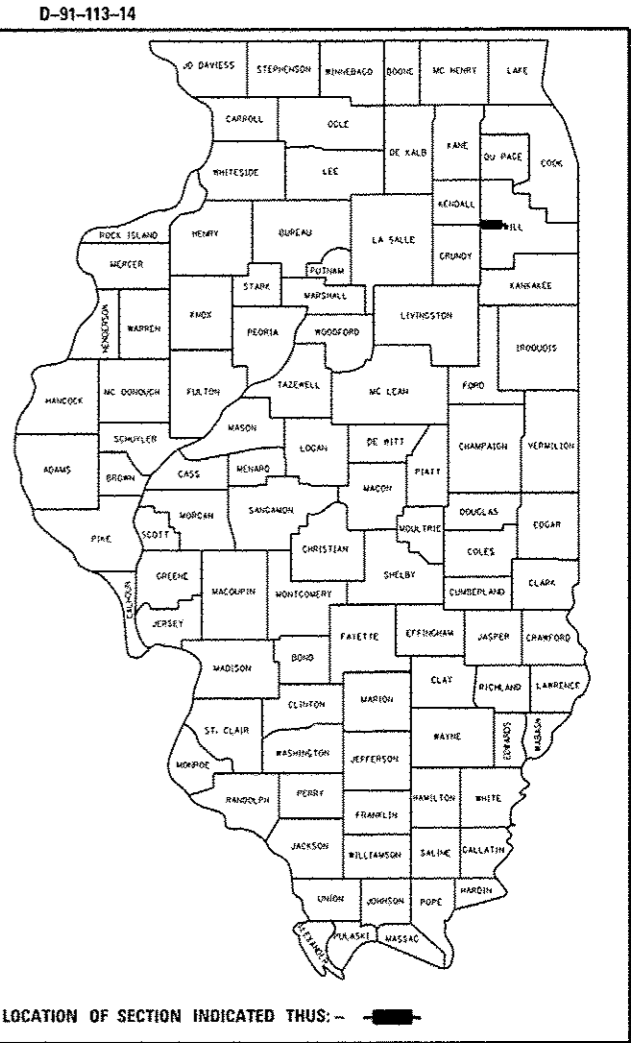
THIS PROJECT IS LOCATED IN THE CITY OF JOLIET & THE VILLAGES OF MINOOKA AND CHANNAHON

PROPOSED
HIGHWAY PLANS

F.A.I. ROUTE 80: INTERSTATE 80
SECTION: 2013-0711
GRUNDY COUNTY LINE TO HOUBOLT ROAD
GUARDRAIL INSTALLATION
PROJECT: ACHSIP-0080(403)

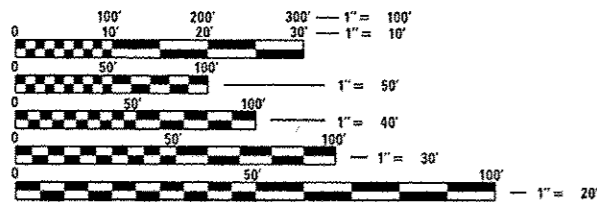
WILL COUNTY
C-91-113-14

TRAFFIC DATA
ADT: 50,400 (2011)
SPEED LIMIT: 65 MPH



PROJECT BEGINS
STA. 21 + 46

PROJECT ENDS
STA. 319 + 00



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: DAN WILGREEN (847) 705-4240
PROJECT MANAGER: KEN ENG (847) 705-4247

CONTRACT NO. 60X48

GROSS LENGTH = NET LENGTH = 29,754 FT = 5.63 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED January 29 20 14
John Fratman
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 21 20 14
John D. Baranzelli, PE, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

March 21 20 14
Omer Osman, PE, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-16	ROADWAY PLAN
17	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
18	FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS (TC-18)
19	TRAFFIC CONTROL DETAILS FOR FREEWAY CENTER LANE CLOSURE SHOULDER LANE (TC-25)

STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
630001-10	STEEL PLATE BEAM GUARDRAIL
630201-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-09	TRAFFIC BARRIER TERMINAL, TYPE 2
635001-01	DELINEATORS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701101-04	OFF ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24' (600 MM) FROM PAVEMENT EDGE
701106-02	OFF ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701400-07	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-08	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411-08	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >= 45 MPH
701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS >= 45 MPH
701428	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701901-03	TRAFFIC CONTROL DEVICES
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. 48 HOURS NOTIFICATION IS REQUIRED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF JOLIET & THE VILLAGES OF MINOOKA AND CHANNAHON

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR "GUARDRAIL REMOVAL."

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4151 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

THE CONTRACTOR SHALL VERIFY THE EXISTING TYPE/HEIGHT OF EXISTING GUARDRAIL BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION SHALL MATCH THE HEIGHT OF THE EXISTING GUARDRAIL.

ALL PERIMETER EROSION BARRIER, EROSION CONTROL BLANKET, AND SEEDING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

FILE NAME :	USER NAME : PoncePL	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-80 (GRUNDY COUNTY LINE TO HOUBOLT ROAD) INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE : 1/21/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES			URBAN		CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	90% FED 10% STATE						
				0021						
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	1011	1011						
25000210	SEEDING, CLASS 2A	ACRE	0.21	0.21						
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	19	19						
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	19	19						
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	19	19						
25100630	EROSION CONTROL BLANKET	SO YD	1011	1011						
28000400	PERIMETER EROSION BARRIER	FOOT	1845	1845						
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	1737.5	1737.5						
	6 FOOT POSTS									
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	6	6						
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	5	5						
	(SPECIAL) TANGENT									
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	9	9						
	(SPECIAL) FLARED									
63200310	GUARDRAIL REMOVAL	FOOT	487.5	487.5						
63500105	DELINEATORS	EACH	50	50						
63500310	REMOVE AND REINSTALL DELINEATORS	EACH	180	180						

SUMMARY OF QUANTITIES			URBAN		CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	90% FED 10% STATE						
				0021						
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6						
67100100	MOBILIZATION	L SUM	1	1						
78200410	GUARDRAIL MARKERS, TYPE A	EACH	45	45						
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	14	14						
X7011015	TRAFFIC CONTROL AND PROTECTION	L SUM	1	1						
	(EXPRESSWAYS)									

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

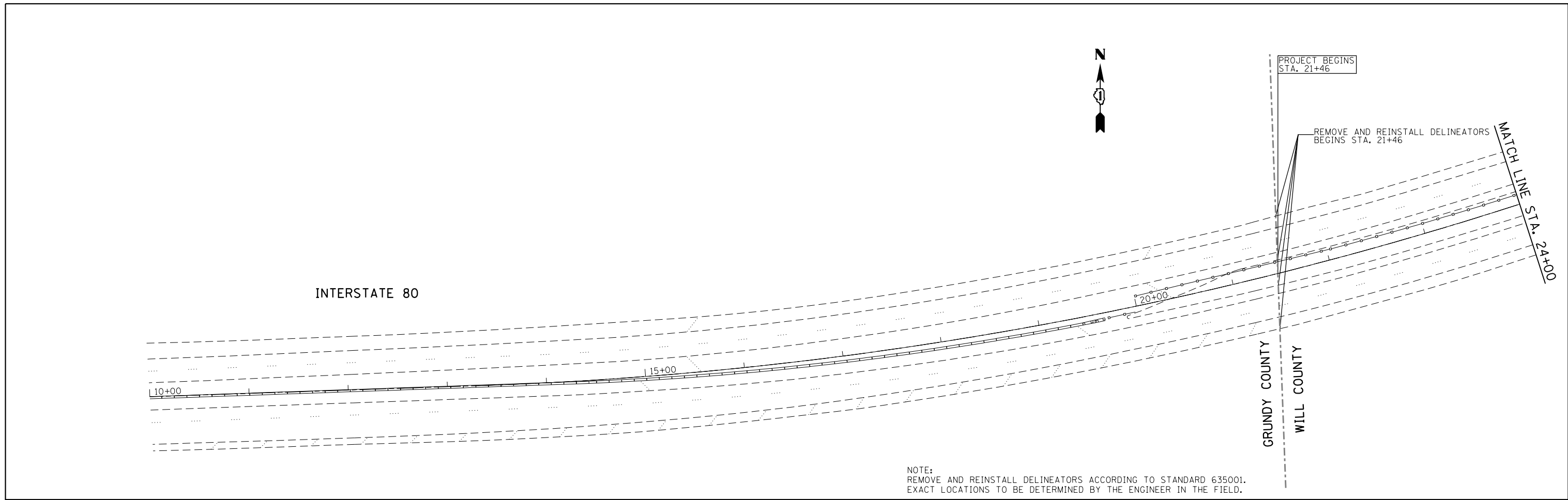
**I-80 (GRUNDY COUNTY LINE TO HOUBOLT ROAD)
SUMMARY OF QUANTITIES**

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SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 60X48	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

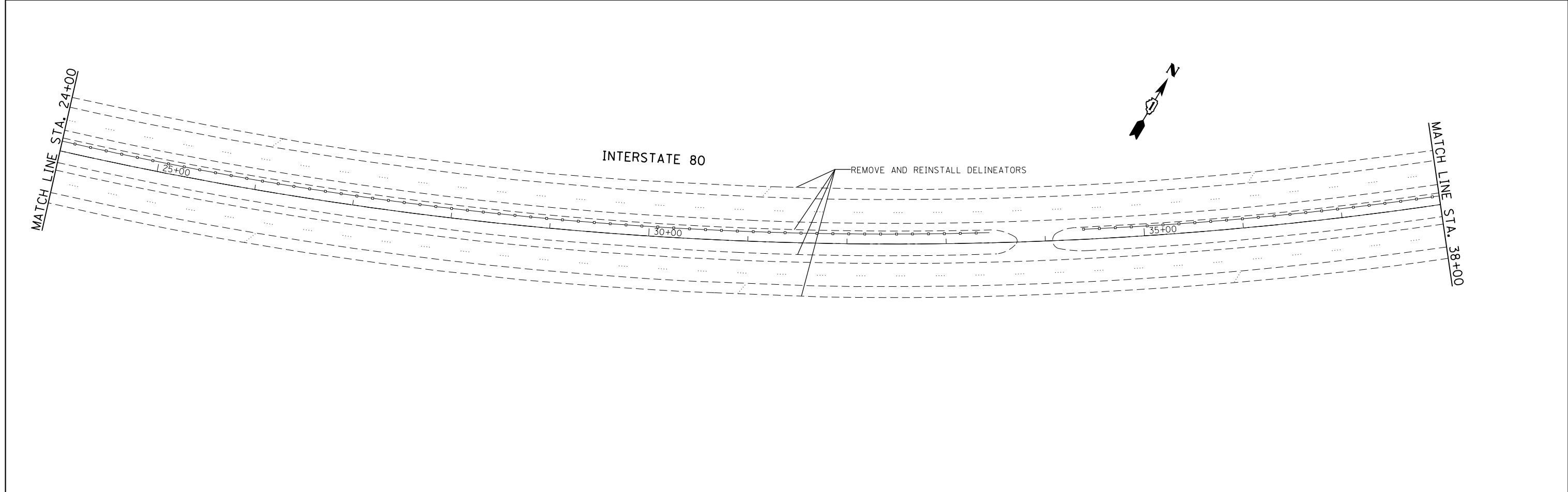
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114

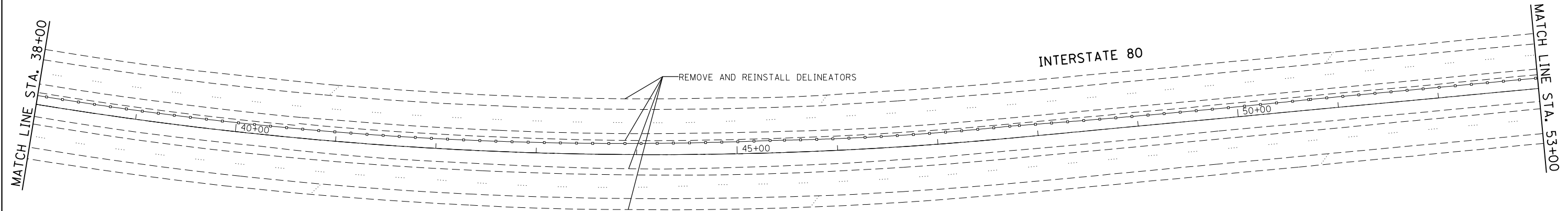
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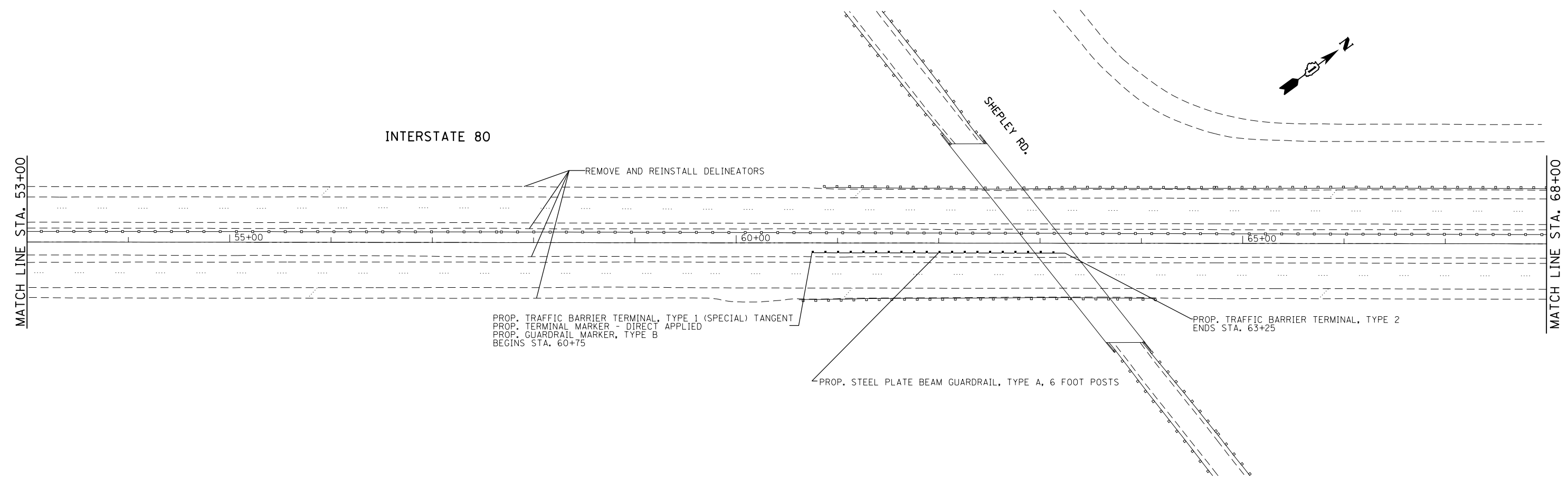
NOTE:
 REMOVE AND REINSTALL DELINEATORS ACCORDING TO STANDARD 635001.
 EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.



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Default	PLOT DATE = 1/31/2014	DATE -	REVISED -		SCALE: SHEET 1 OF 13 SHEETS STA. 10+00 TO STA. 38+00		CONTRACT NO. 60X48				
							ILLINOIS FED. AID PROJECT				



NOTE:
 REMOVE AND REINSTALL DELINEATORS ACCORDING TO STANDARD 635001.
 EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.



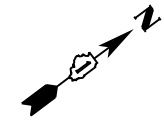
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

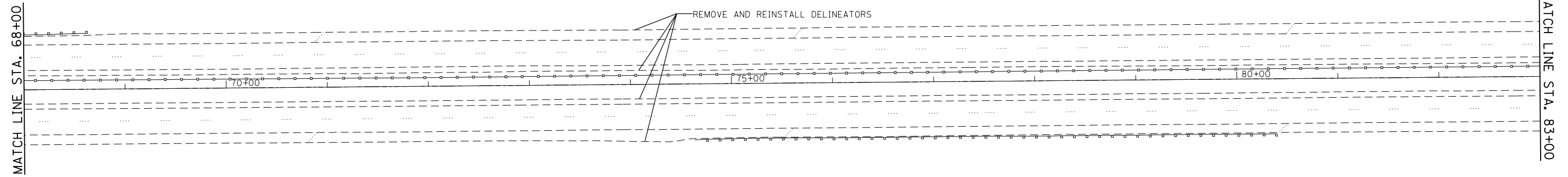
**I-80 (GRUNDY COUNTY LINE TO HOUBOLT ROAD)
 ROADWAY PLAN**

SCALE: SHEET 2 OF 13 SHEETS STA. 38+00 TO STA. 68+00

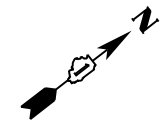
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CONTRACT NO. 60X48			ILLINOIS FED. AID PROJECT	



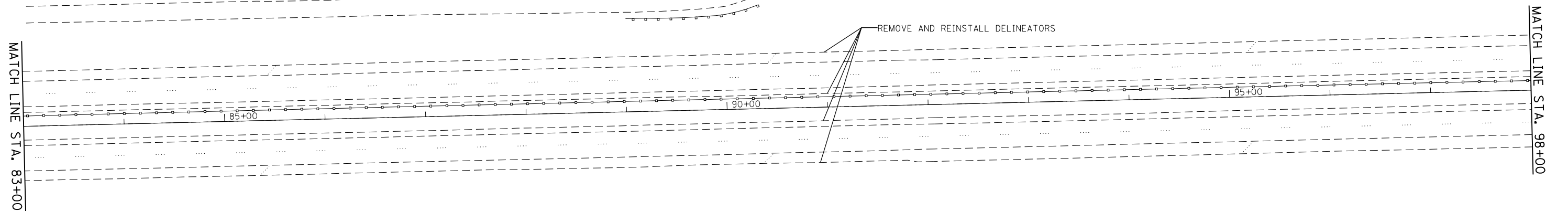
INTERSTATE 80



NOTE:
 REMOVE AND REINSTALL DELINEATORS ACCORDING TO STANDARD 635001.
 EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.



INTERSTATE 80



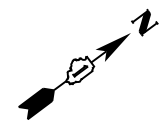
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-80 (GRUNDY COUNTY LINE TO HOUBOLT ROAD)
 ROADWAY PLAN

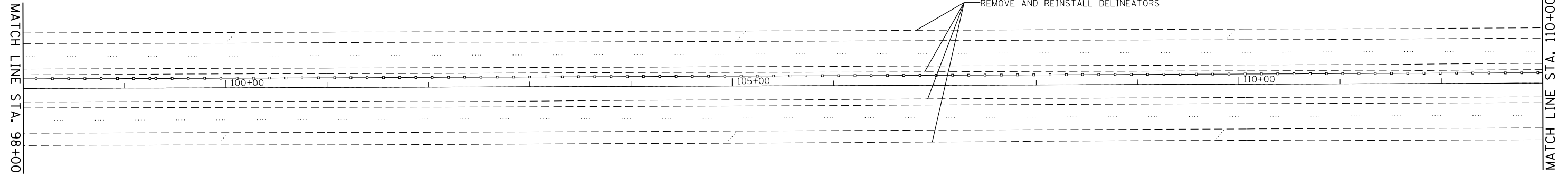
SCALE: SHEET 3 OF 13 SHEETS STA. 68+00 TO STA. 98+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60X48			ILLINOIS FED. AID PROJECT	



INTERSTATE 80

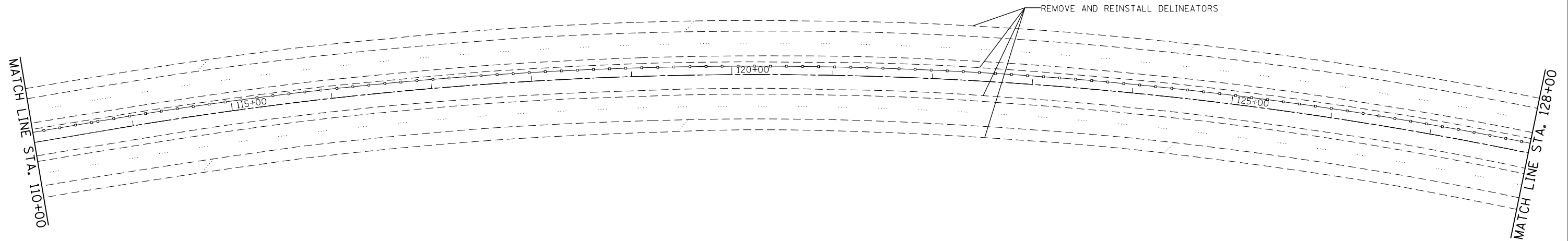
REMOVE AND REINSTALL DELINEATORS



NOTE:
REMOVE AND REINSTALL DELINEATORS ACCORDING TO STANDARD 635001.
EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

INTERSTATE 80

REMOVE AND REINSTALL DELINEATORS



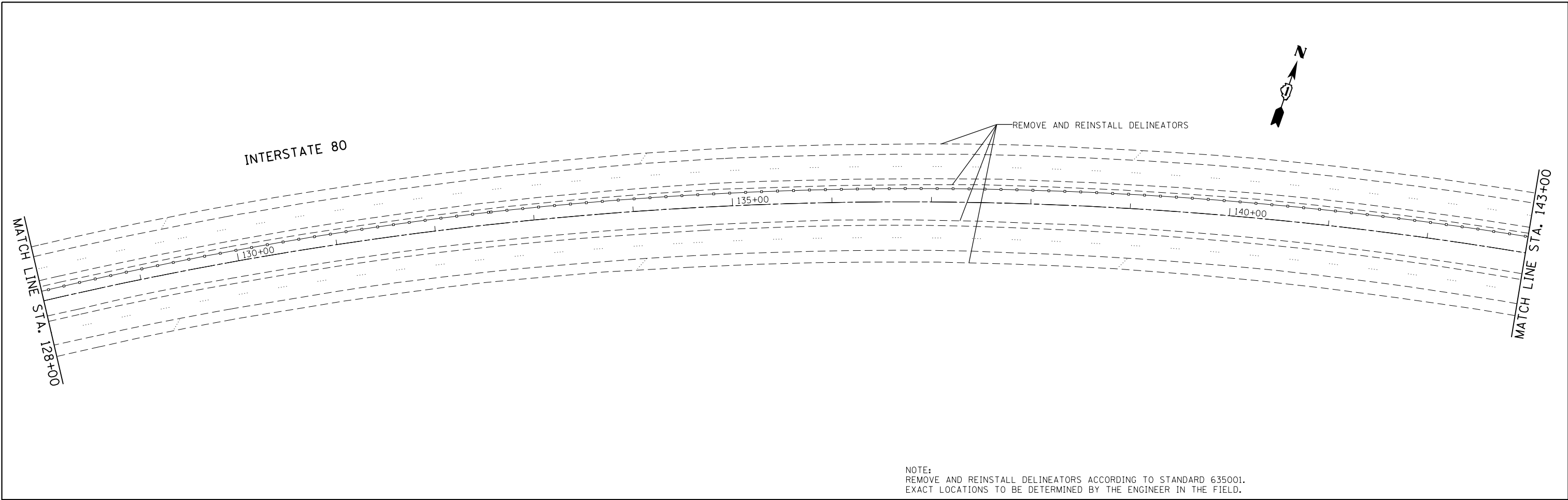
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

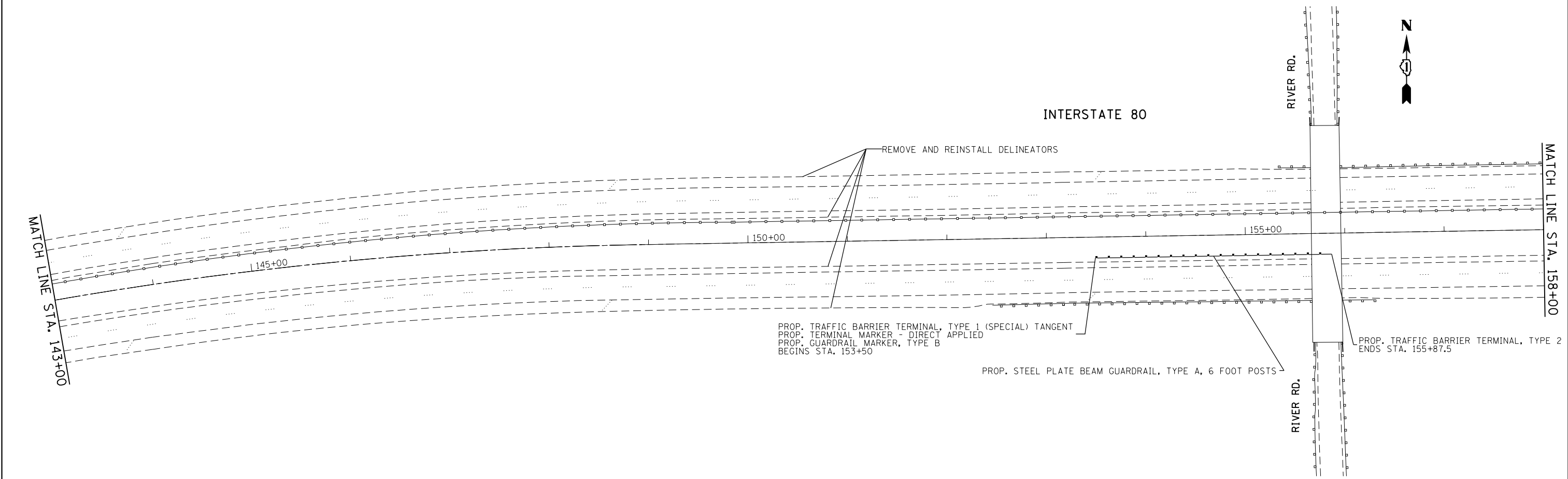
I-80 (GRUNDY COUNTY LINE TO HOUBOLT ROAD)
ROADWAY PLAN

SCALE: SHEET 4 OF 13 SHEETS STA. 98+00 TO STA. 128+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2013-0711	WILL	19	7
			CONTRACT NO. 60X48	
ILLINOIS FED. AID PROJECT				



NOTE:
 REMOVE AND REINSTALL DELINEATORS ACCORDING TO STANDARD 635001.
 EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.



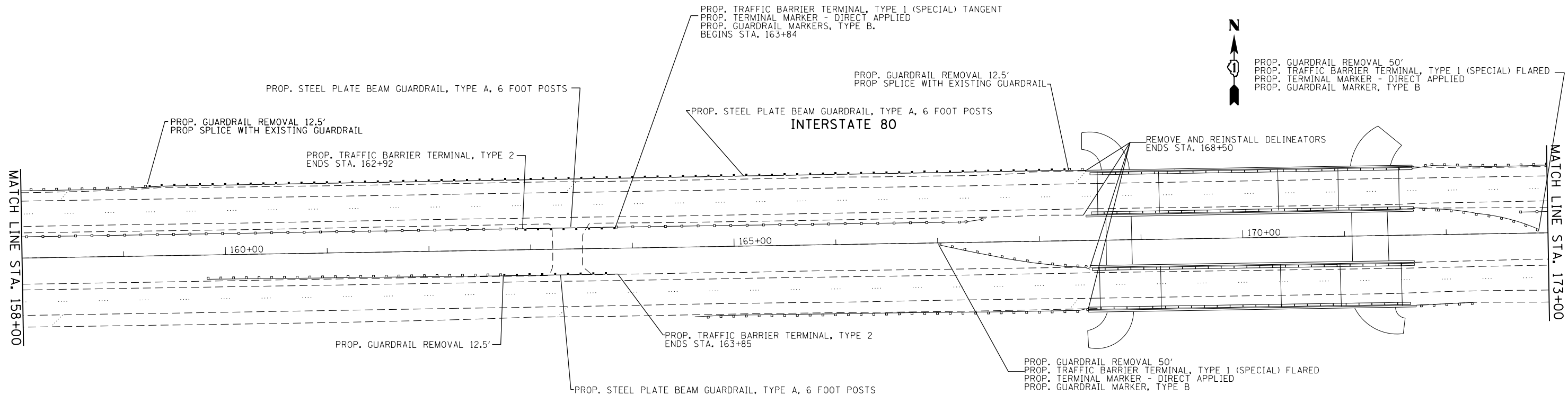
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

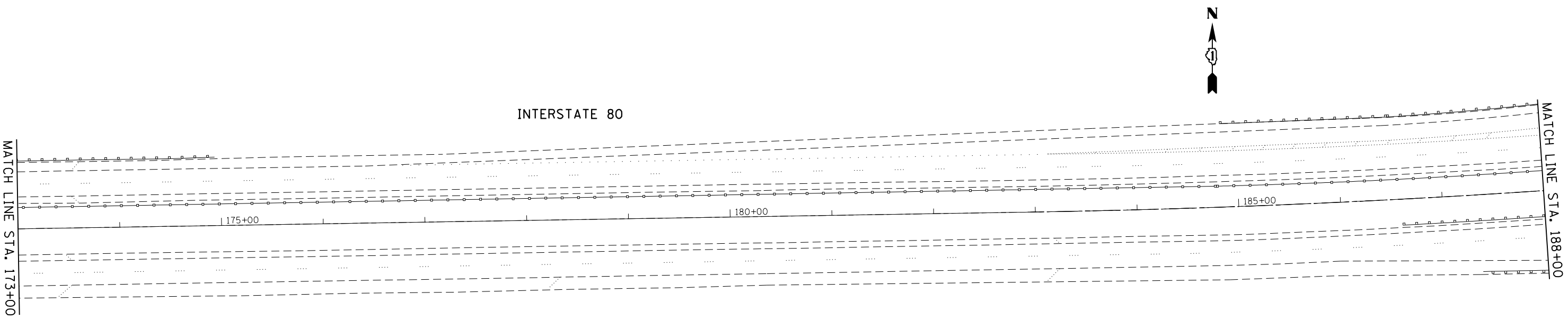
**I-80 (GRUNDY COUNTY LINE TO HOUBOLT ROAD)
 ROADWAY PLAN**

SCALE: SHEET 5 OF 13 SHEETS STA. 128+00 TO STA. 158+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2013-0711	WILL	19	8
CONTRACT NO. 60X48			ILLINOIS FED. AID PROJECT	



NOTE:
 REMOVE AND REINSTALL DELINEATORS ACCORDING TO STANDARD 635001.
 EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.



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Default	PLOT DATE = 1/31/2014	DATE -	REVISED -	SCALE: SHEET 6 OF 13 SHEETS STA. 158+00 TO STA. 188+00		CONTRACT NO. 60X48 ILLINOIS FED. AID PROJECT					



SW FRONTAGE RD.

PROP. GUARDRAIL REMOVAL 50'
 PROP. TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 PROP. TERMINAL MARKER - DIRECT APPLIED
 PROP. GUARDRAIL MARKER, TYPE B

INTERSTATE 80

MATCH LINE STA. 188+00

190+00

195+00

MATCH LINE STA. 200+00

SW FRONTAGE RD.

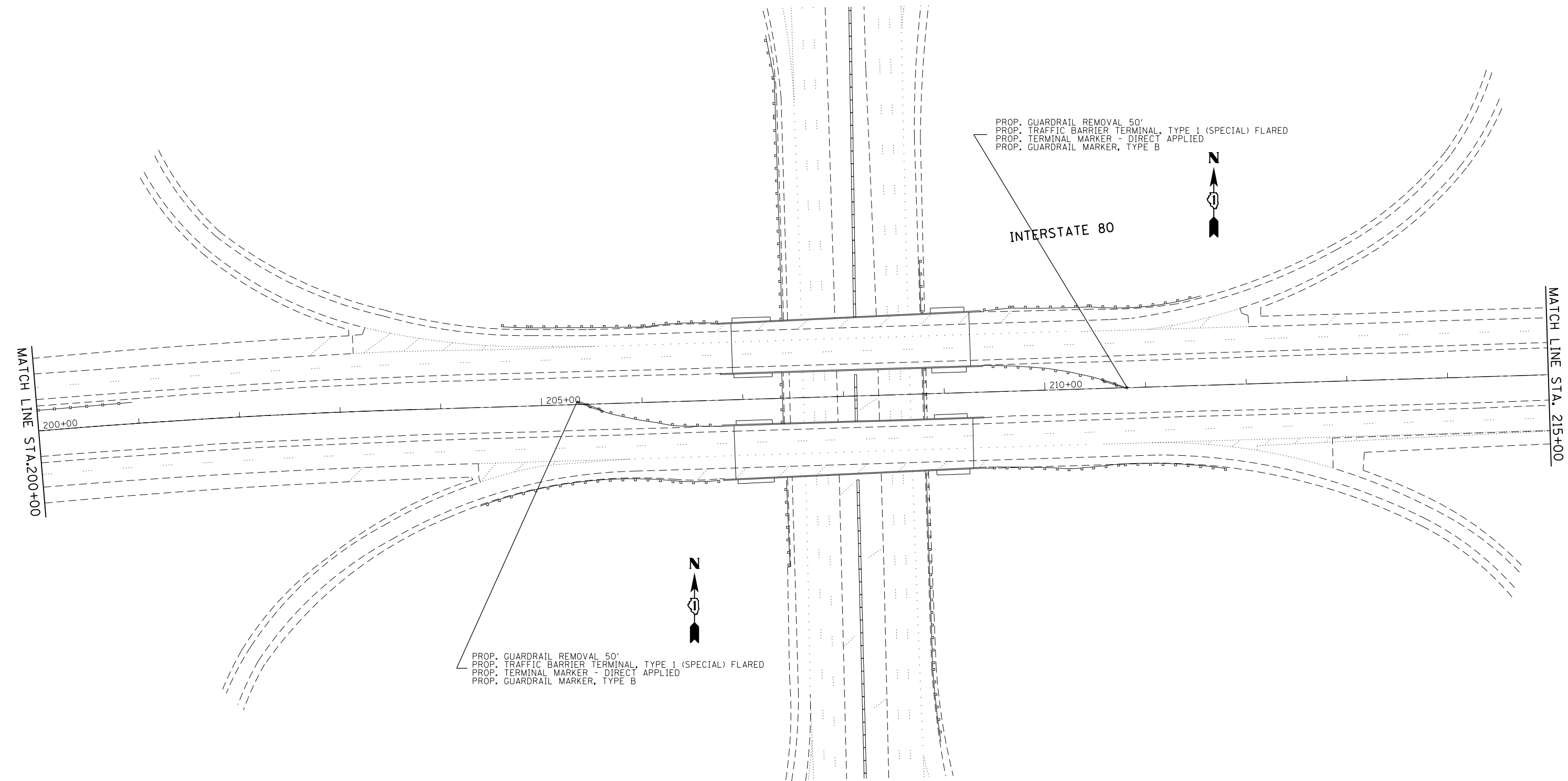
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	PLOT DATE = 1/31/2014	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-80 (GRUNDY COUNTY LINE TO HOUBOLT ROAD)
 ROADWAY PLAN

SCALE: SHEET 7 OF 13 SHEETS STA. 188+00 TO STA. 200+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2013-0711	WILL	19	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X48	



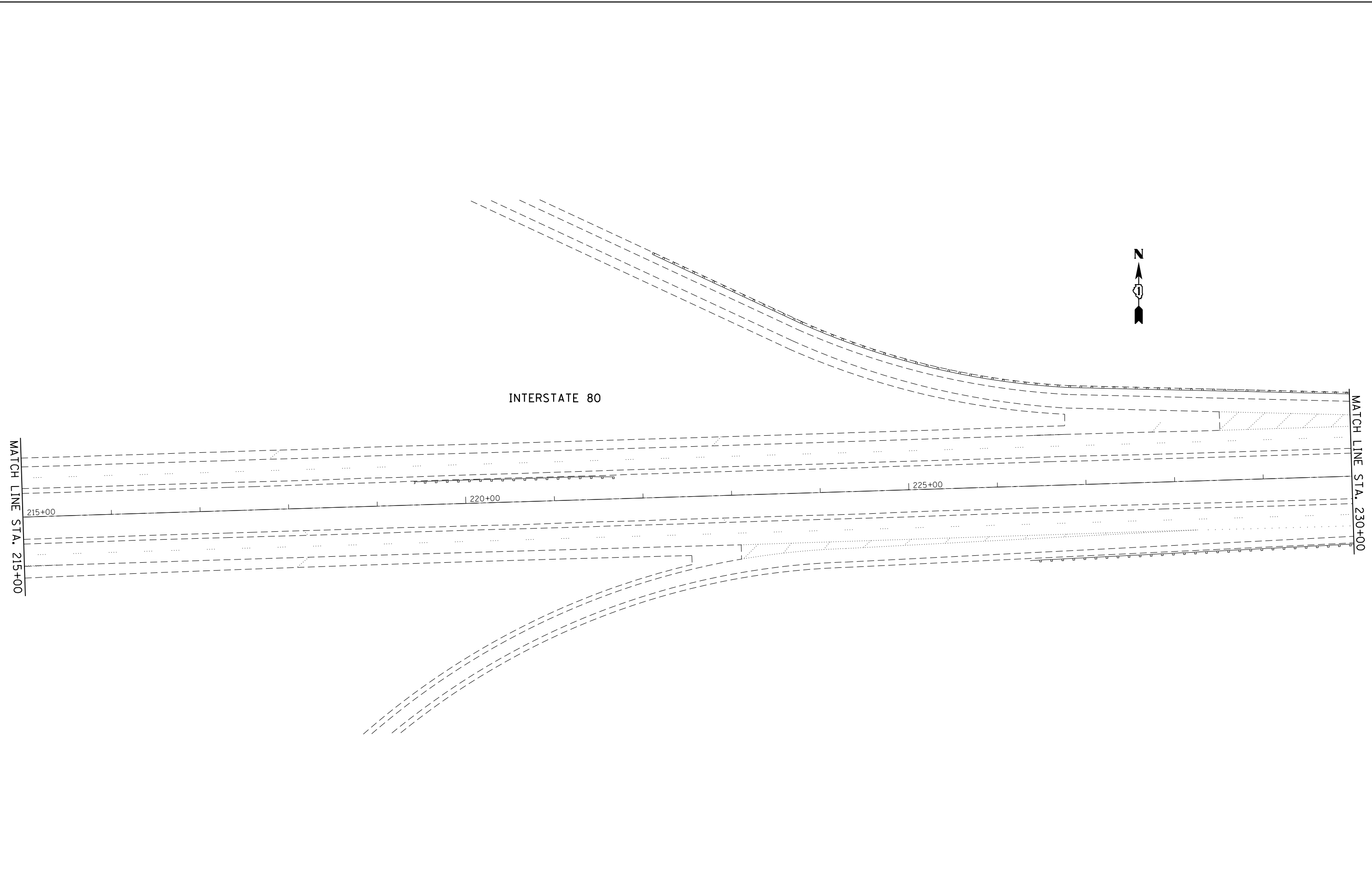
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-80 (GRUNDY COUNTY LINE TO HOUBOLT ROAD)
ROADWAY PLAN

SCALE: SHEET 8 OF 13 SHEETS STA. 200+00 TO STA. 215+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2013-0711	WILL	19	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X48	



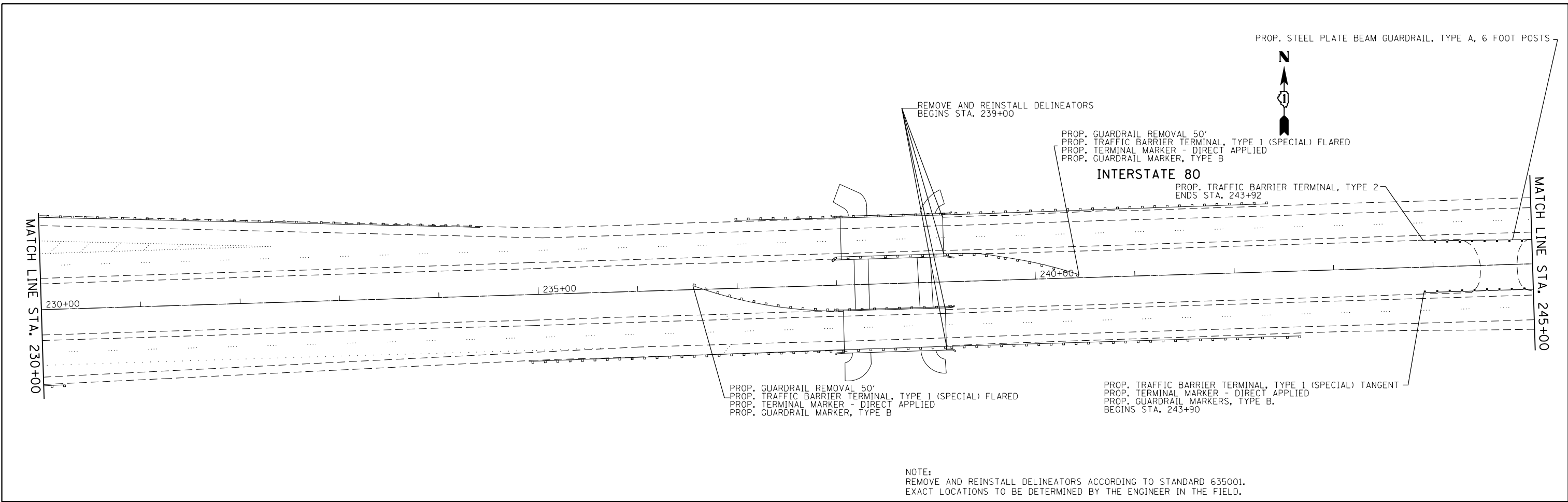
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

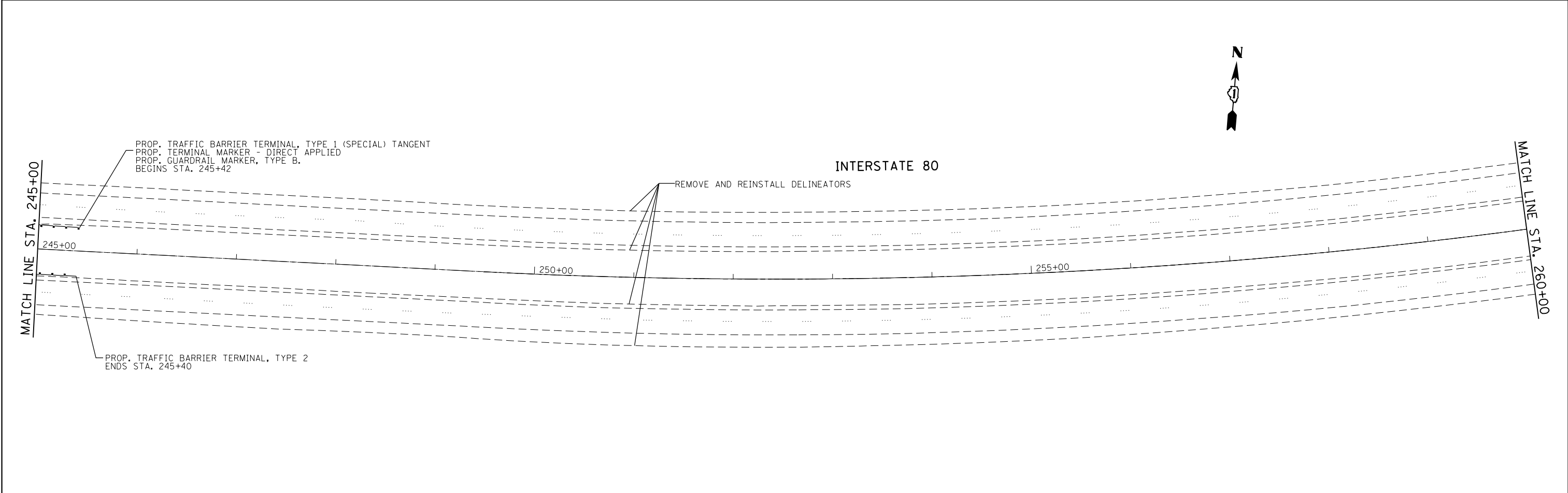
**I-80 (GRUNDY COUNTY LINE TO HOUBOLT ROAD)
ROADWAY PLAN**

SCALE: SHEET 9 OF 13 SHEETS STA. 215+00 TO STA. 230+00

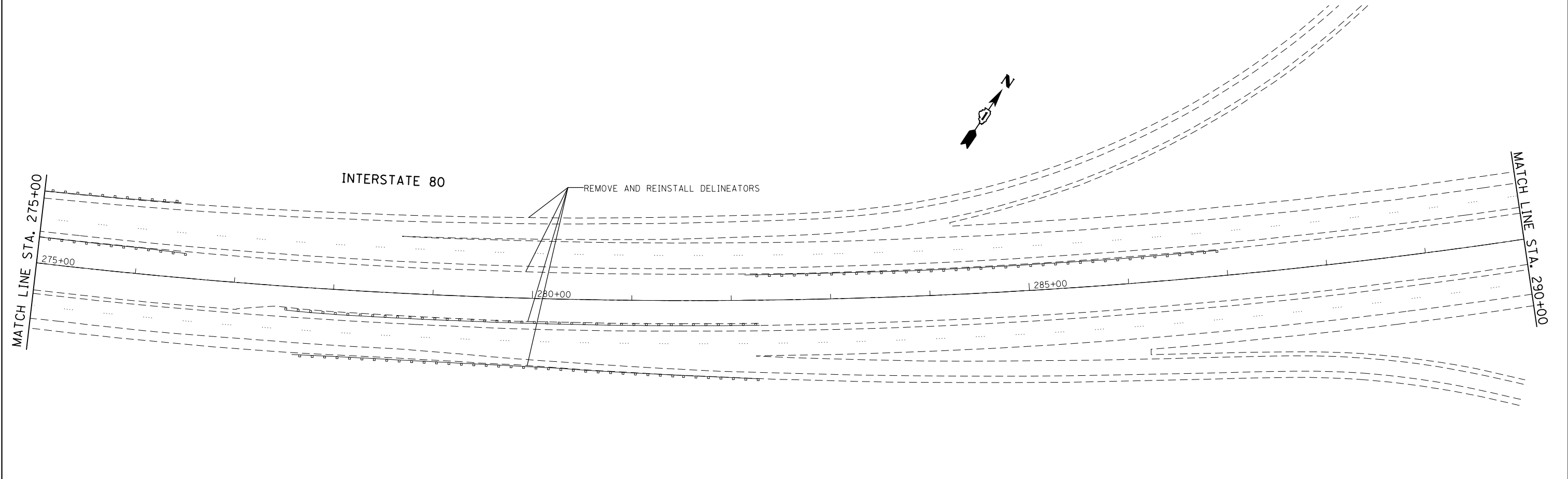
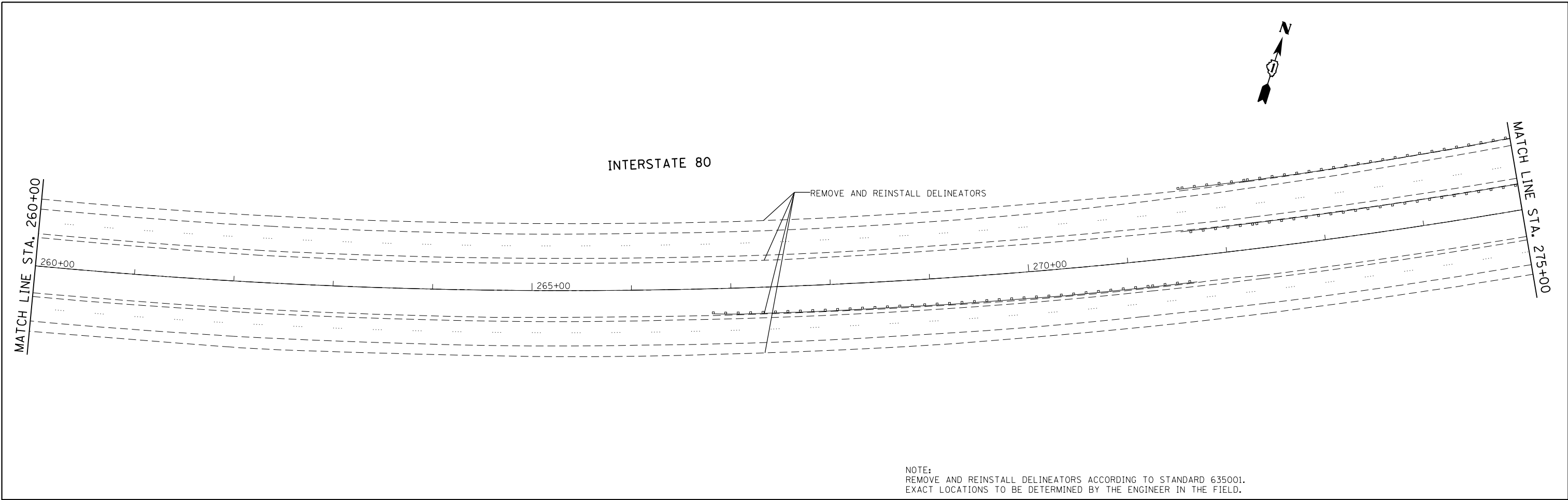
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80	2013-0711	WILL	19	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X48	



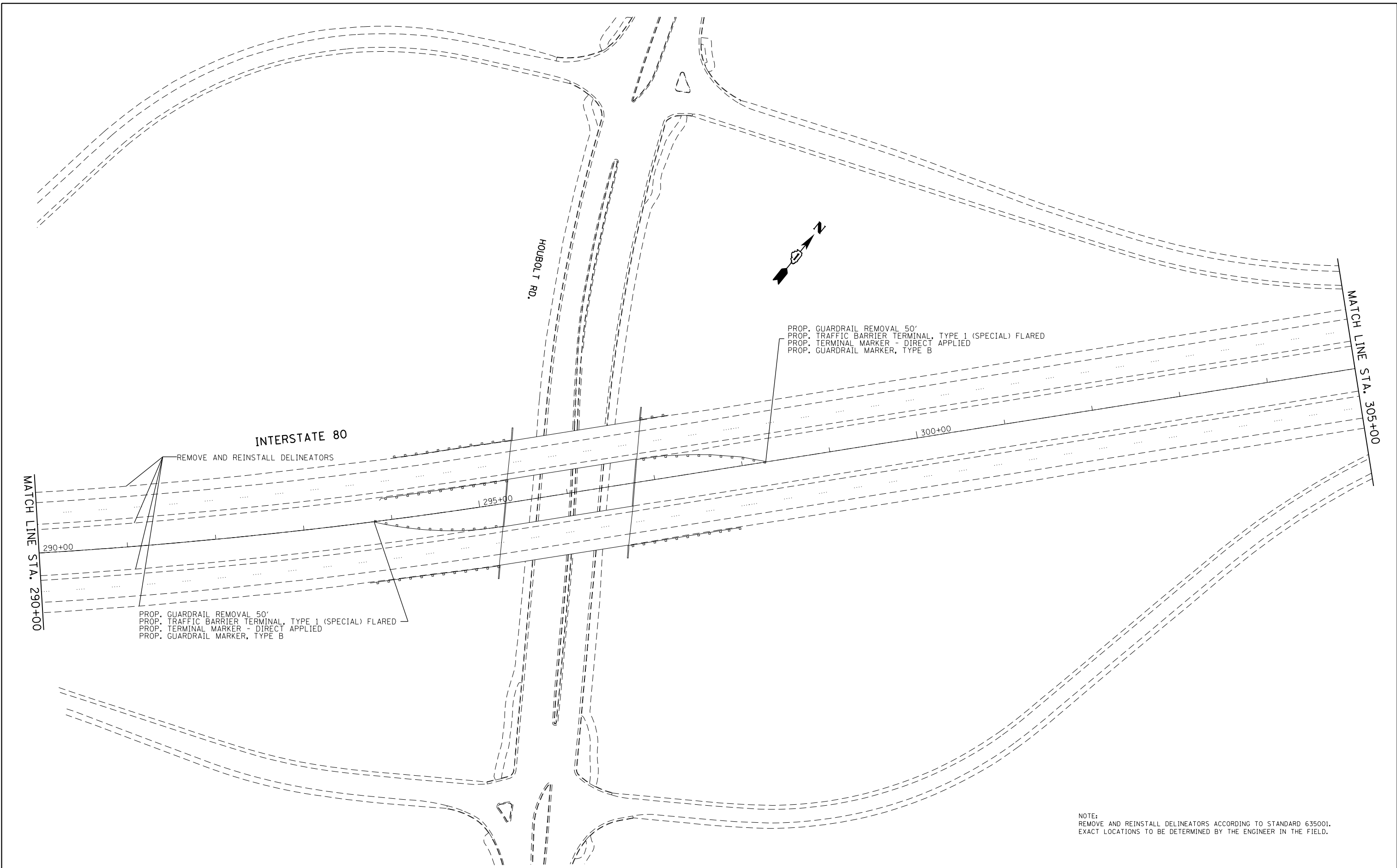
NOTE:
 REMOVE AND REINSTALL DELINEATORS ACCORDING TO STANDARD 635001.
 EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.



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Default	PLOT DATE = 1/31/2014	DATE -	REVISED -	SCALE: SHEET 10 OF 13 SHEETS STA. 230+00 TO STA. 260+00		CONTRACT NO. 60X48 ILLINOIS FED. AID PROJECT					



FILE NAME =	USER NAME = PencePL	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-80 (GRUNDY COUNTY LINE TO HOUBOLT ROAD) ROADWAY PLAN	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	ei:\pwork\pwork\pencepl\d0367985\011134-sht-plan.dgn	DRAWN -	REVISED -			80	2013-0711	WILL	19	14	
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	PLOT DATE = 1/31/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET 11 OF 13 SHEETS		STA. 260+00 TO STA. 290+00			



PROP. GUARDRAIL REMOVAL 50'
 PROP. TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 PROP. TERMINAL MARKER - DIRECT APPLIED
 PROP. GUARDRAIL MARKER, TYPE B

REMOVE AND REINSTALL DELINEATORS

PROP. GUARDRAIL REMOVAL 50'
 PROP. TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 PROP. TERMINAL MARKER - DIRECT APPLIED
 PROP. GUARDRAIL MARKER, TYPE B

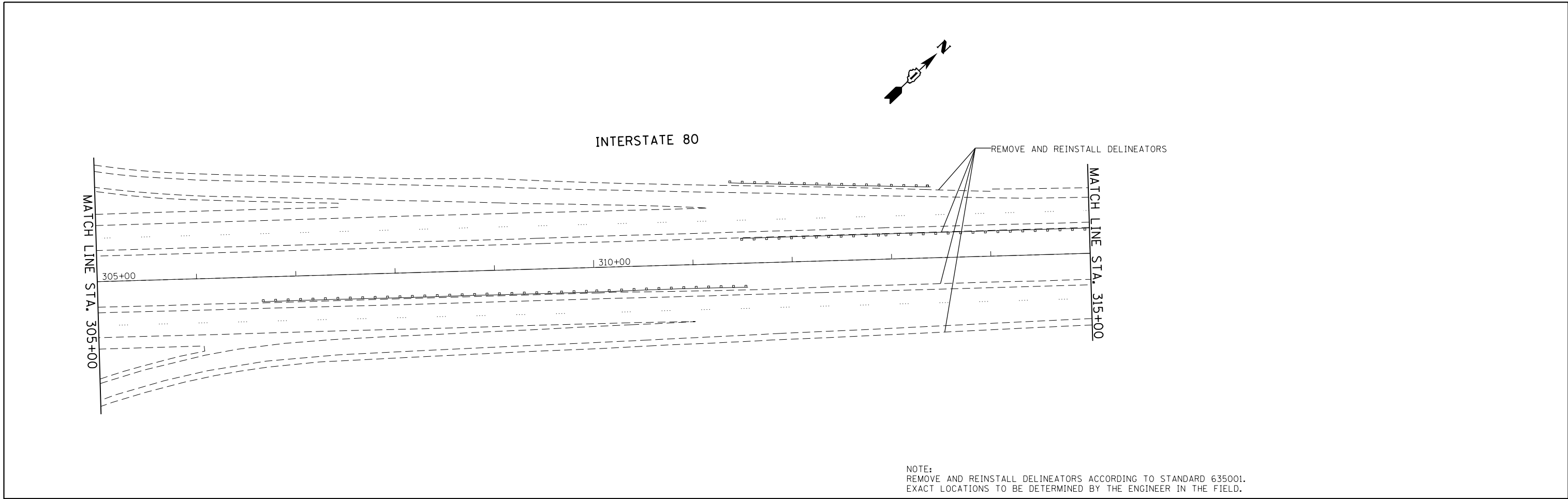
NOTE:
 REMOVE AND REINSTALL DELINEATORS ACCORDING TO STANDARD 635001.
 EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

FILE NAME =	USER NAME = PencePL	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
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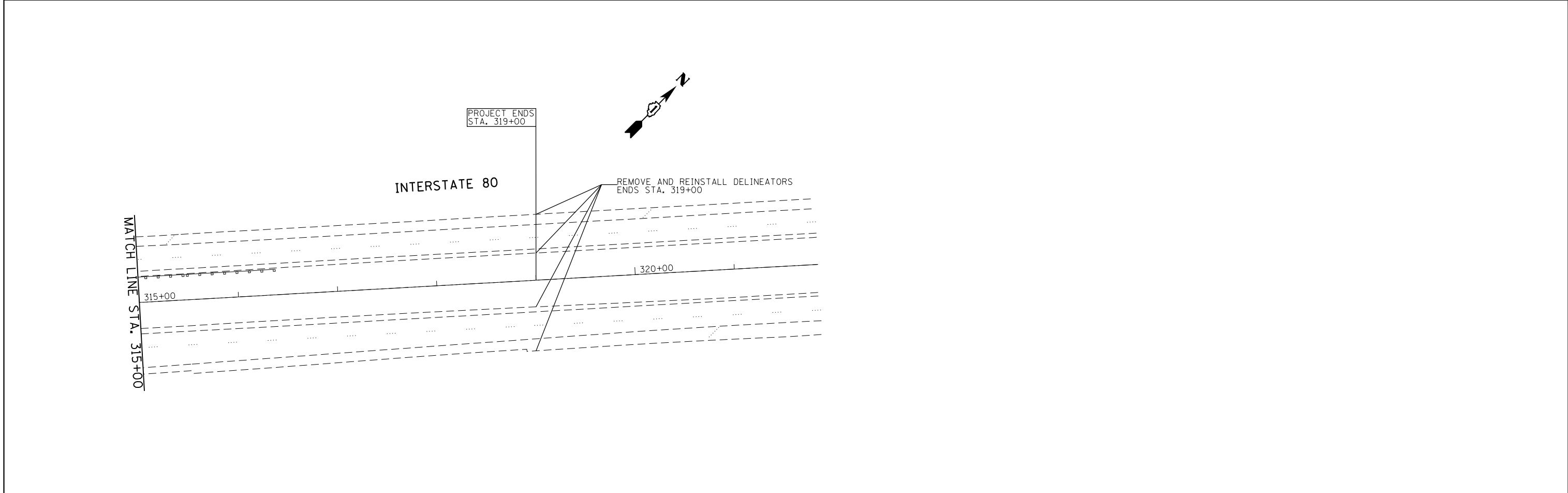
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-80 (GRUNDY COUNTY LINE TO HOUBOLT ROAD)	
ROADWAY PLAN	
SCALE:	SHEET 12 OF 13 SHEETS STA. 290+00 TO STA. 305+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2013-0711	WILL	19	15
CONTRACT NO. 60X48				
ILLINOIS FED. AID PROJECT				

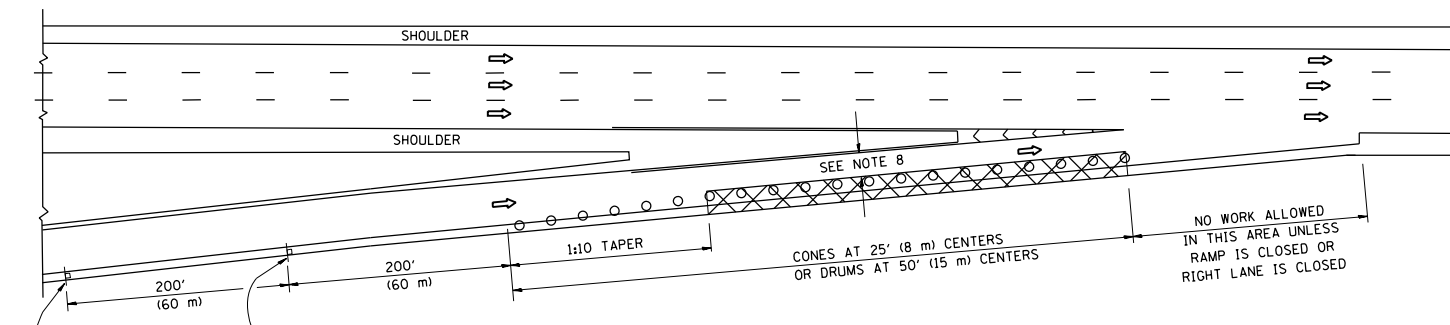


NOTE:
 REMOVE AND REINSTALL DELINEATORS ACCORDING TO STANDARD 635001.
 EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

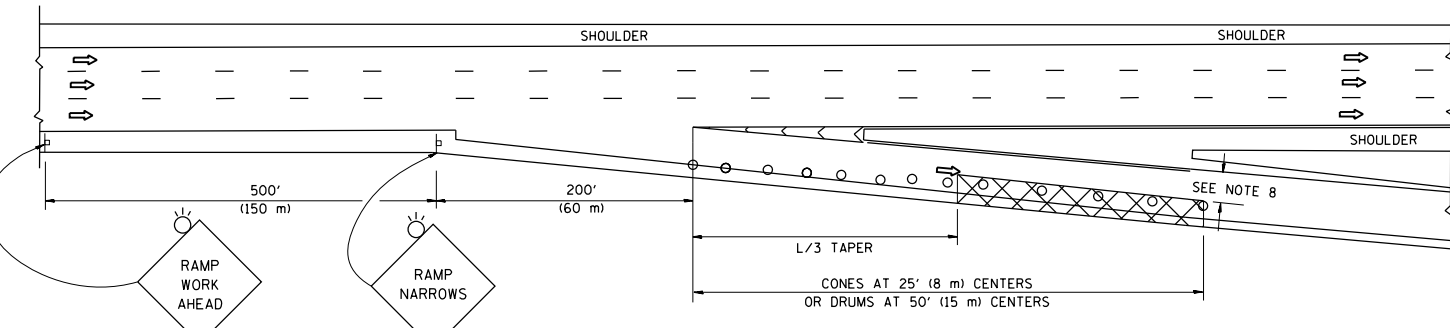


FILE NAME = c:\pwork\pwork\pencepl\d0367985\011134-sht-plan.dgn	USER NAME = PencePL	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-80 (GRUNDY COUNTY LINE TO HOUBOLT ROAD) ROADWAY PLAN		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -				80	2013-0711	WILL	19	16	
Default	PLOT DATE = 1/31/2014	DATE -	REVISED -		SCALE:	SHEET 13 OF 13 SHEETS	STA. 305+00 TO STA. 321+84.48	ILLINOIS FED. AID PROJECT				
							CONTRACT NO. 60X48					

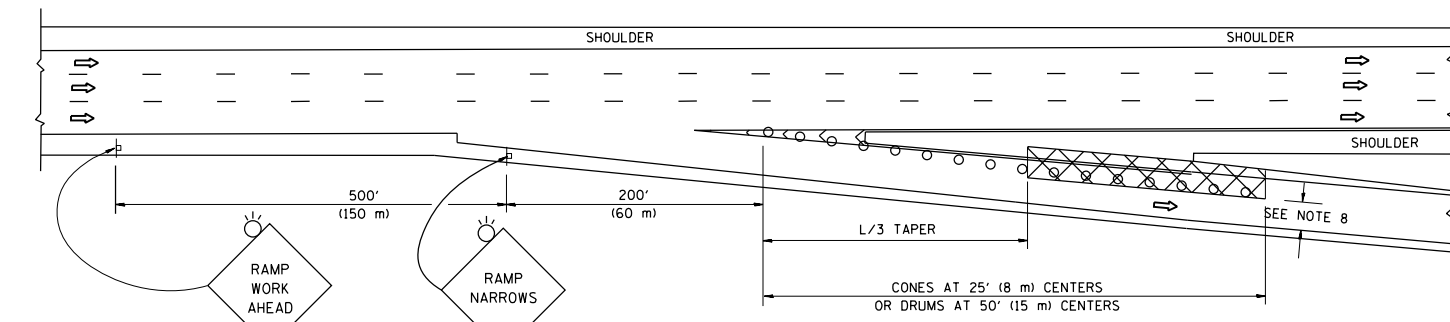
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

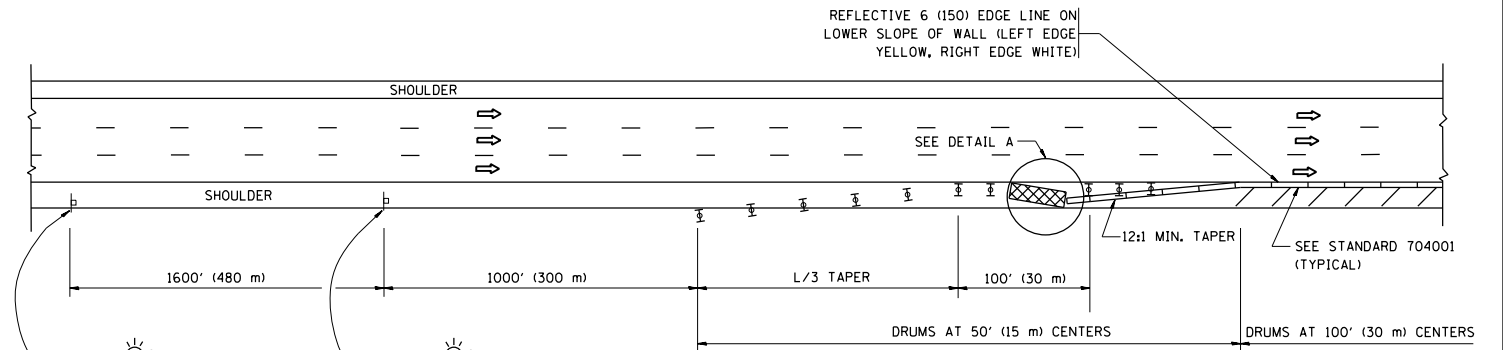
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

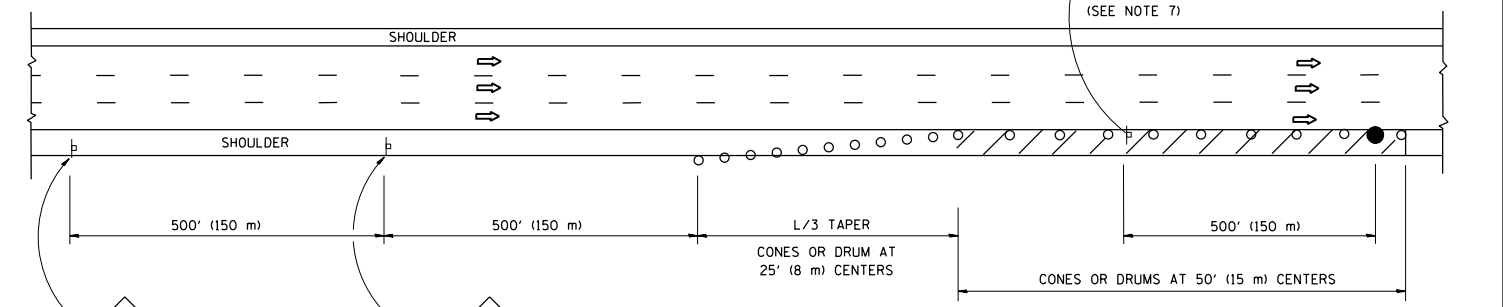
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH
	$L=0.65(W)(S)$ $L=(W)(S)$
	W = WIDTH OF OFFSET IN FEET (METERS) S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

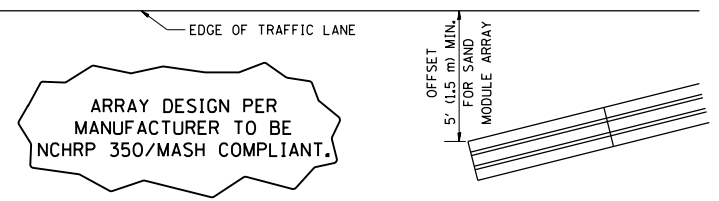


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

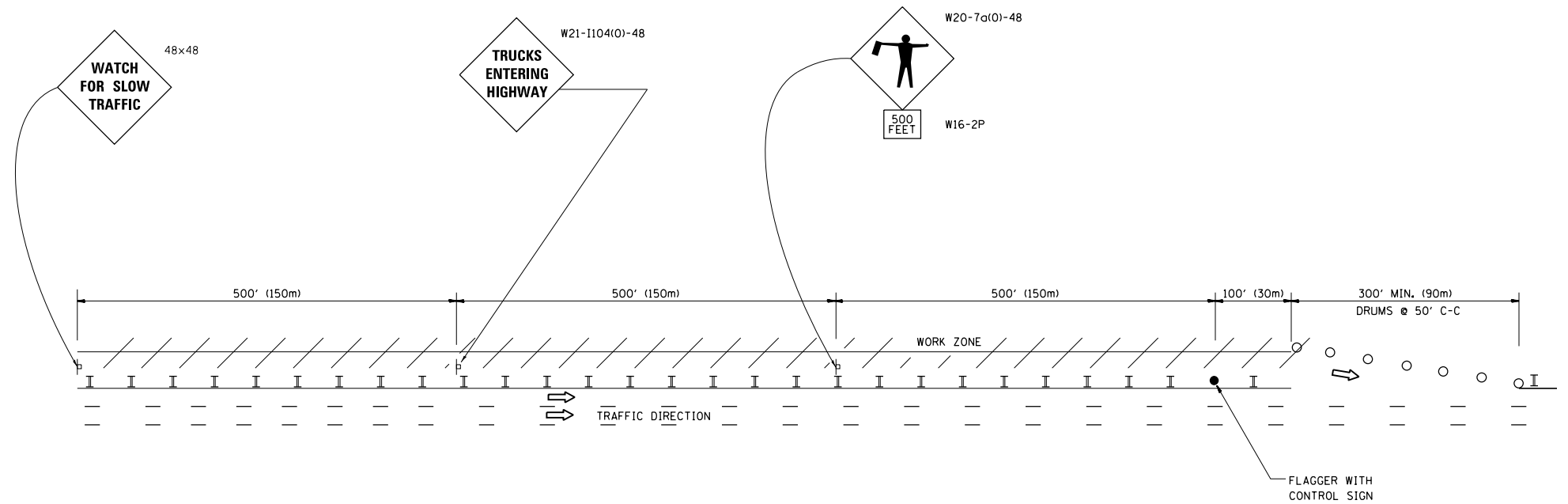
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12" MIN. WIDTH TANGENT SECTION
16" MIN. WIDTH CURVE SECTION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

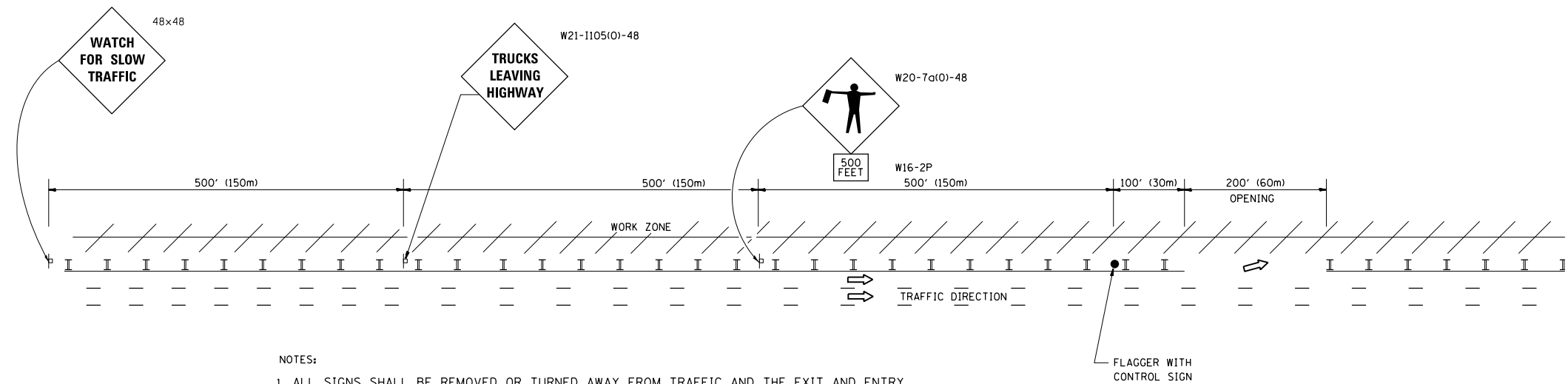
FILE NAME =	USER NAME = PencePL	DESIGNED -	REVISED - J.A.F. 12-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\pencepl\d0367985\Dist\d.dgn	DRAWN - D.W.S.	REVISED - S.P.B. 01-07	80			2013-0711	WILL	19	17	
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - S.P.B. 12-09	TC-17			CONTRACT NO. 60X48				
PLOT DATE = 1/31/2014	DATE - 11-96	REVISED - M.D. 06-13	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



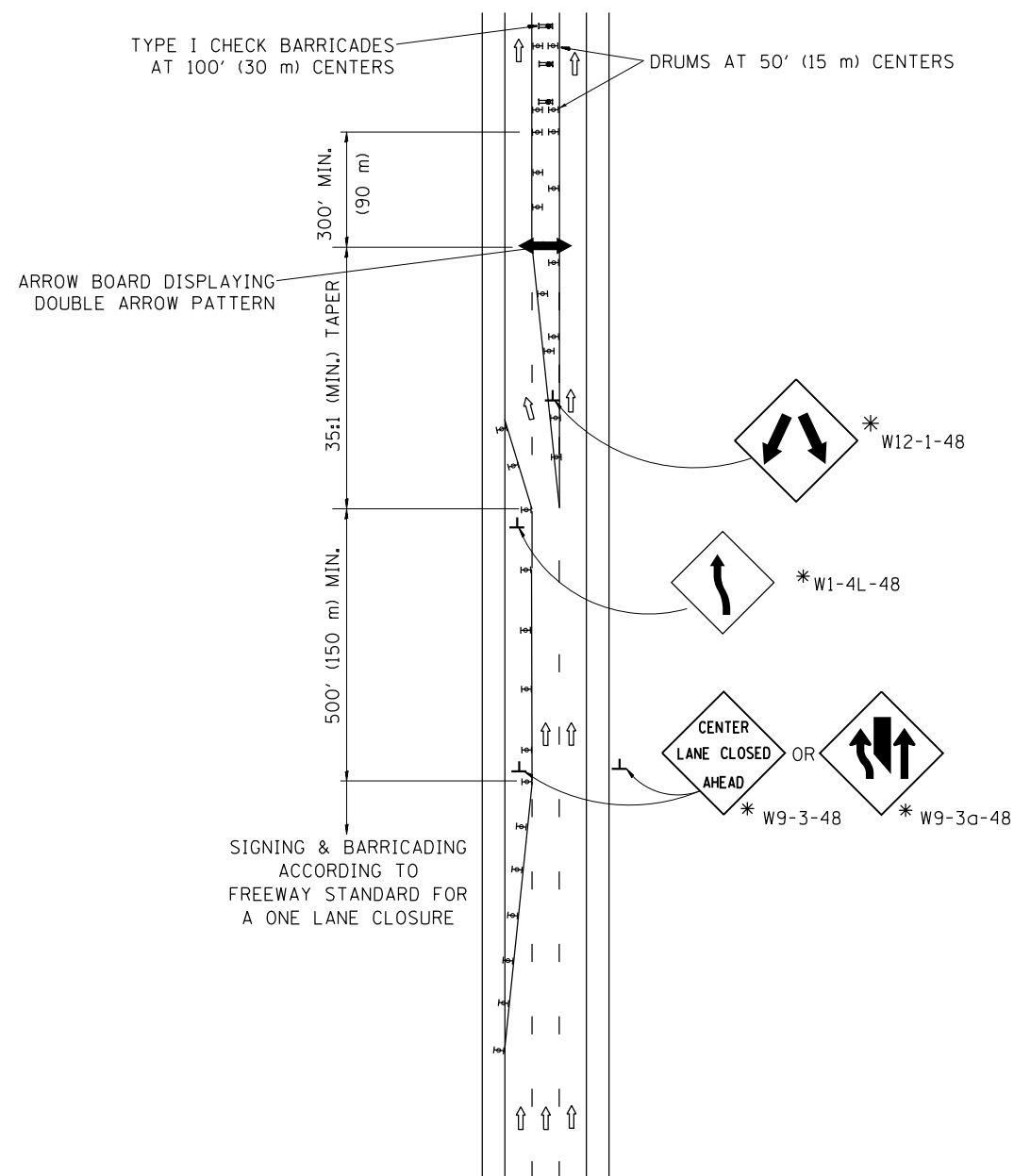
NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMP.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

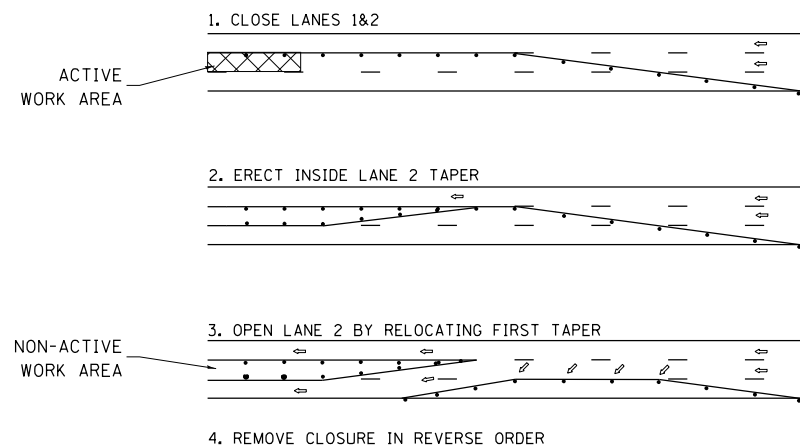
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = PencePL	DESIGNED -	REVISED - J.A.F. 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\pencepl\d0367985\Dist\d.dgn		DRAWN -	REVISED - S.P.B. 01-07			80	2013-0711	WILL	19	18	
		CHECKED -	REVISED - S.P.B. 12-09			TC-18		CONTRACT NO. 60X48			
		DATE -	REVISED - M.D. 06-13			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

CENTER LANE CLOSURE



INSTALLATION SEQUENCE

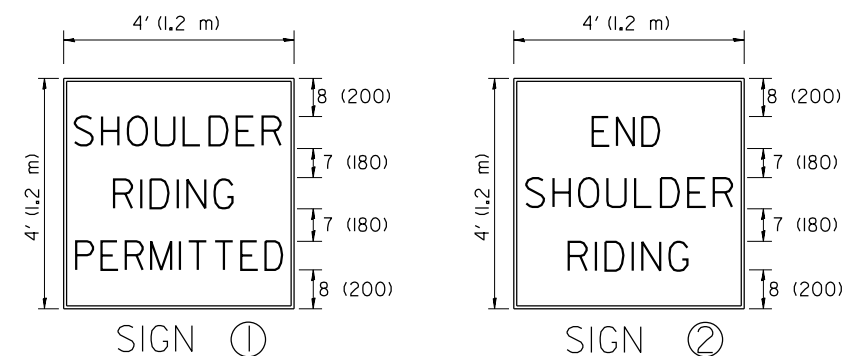
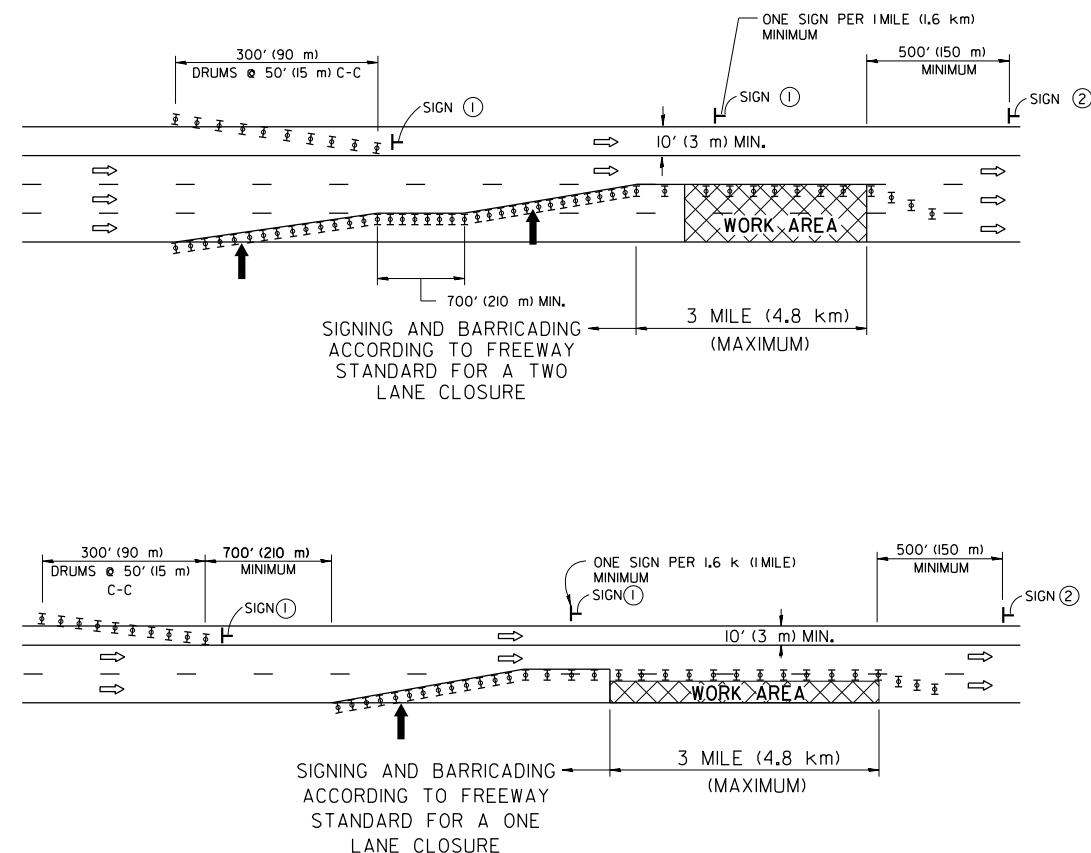


NOTES

1. DRUMS WITH STEADY BURN LIGHTS SHALL BE USED AT 50' (15 m) CENTERS ON ALL TAPERS AND TANGENTS IN ADVANCE OF WORK AREA.
2. CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.
3. CENTER LANE CLOSURE CONFIGURATION IS NOT TO BE USED WITH WORKERS PRESENT.

SHOULDER LANE

NOTE: CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.



6 (150) SERIES "C" LEGEND
BLACK LEGEND
WHITE REFLECT. BACKGROUND
1(25) BORDER

SYMBOLS

- ↑ DIRECTION OF TRAFFIC
- ➔ ARROWBOARD
- ▣ ACTIVE WORK AREA
- ⊥ SIGN ON PORTABLE OR PERMANENT SUPPORT *
- ⊥ TYPE II BARRICADE, OR DRUM WITH MONO-DIRECTIONAL STEADY BURN LIGHT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

* ALL SIGNS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).

FILE NAME =	USER NAME = PencePL	DESIGNED -	REVISED - J.A.F. 04-03
ct:\pw\work\p1dot\pencepl\d0367985\Dist\d.dgn		DRAWN -	REVISED - S.P.B. 01-07
		CHECKED -	REVISED - S.P.B. 12-09
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
CENTER LANE CLOSURE SHOULDER LANE

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2013-0711	WILL	19	19
TC-25		CONTRACT NO. 60X48		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				